GEORGE MA
SOFTWARE DEVELOPER

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⌂ george-ma.github.io   /george-ma   in /georgema-

SKILL SET

Languages	Frameworks	Devops	Tools/Tech	Markup/Data
Java, Python, C/C++, Javascript	Bootstrap, Flask, NodeJS/Express	Jira, Confluence, Linux, ELK Stack	Shell Scripting, mySQL, Git	HTML5, CSS3, JSON, LaTeX

EXPERIENCE

Software Engineering Intern | Evertz, Burlington   *May 2018 - Aug 2018*

- Improved spreadsheet parsing and conversion efficiency with the TCI/IP network by **150%** utilizing Python scripts.
- Developed a multi-threaded Frame Synchronization application using **wxWidgets, C and Python**. Tool was built utilizing **multiple threads** which enabled processing to be done in the background, while still enabling the user to cycle through the multiple debug panels.
- Worked with 2 senior engineers to develop internal automation tools for the **Chaos Engineering System** that **reduced regression test times by 5 hours.** Developed an HTTP web-scraper using Python Requests/BeautifulSoup.
- Agile work-flow utilizing Jira/Confluence and daily scrums. Subversion (SVN) for version control.

Student Design Engineer | Evertz, Burlington   *May 2017 - Aug 2017*

- Designed and developed two applications from scratch; a JSON to PDF Rest API Specification Generator for the WebEASY system, and an SFTP Indices Transfer solution for the **inSITE Big Data Analytics Engine.**
- Extracting the Rest-API datasets into an easily readable and formatted PDF **increased conversion efficiency amongst engineers by 2 hours**.
- Created a responsive interface for users, utilizing a Swing GUI front-end with a Java back-end.
- Performed thorough testing using JUnit and developed within an agile environment, utilizing weekly sprints to facilitate product requirements.

PROJECTS

RecipiBot | Python, Flask, Reddit API   2018
github.com/george-ma/RecipiBot

- **Top 3 Chat Bot** and **Top 5 Overall** at the UofT CSSU/Platterz Hackathon
- Facebook Messenger bot hosted on Heroku that allows for the discovery of new and exciting recipes from any ingredient the user requests
- Provides the ability for users to chat to the bot using either text, the phone camera, and pre-exisiting images through the use of ClarifaiAPI

Picasso | Java, JavaFX, SQL, Git, JUnit   2017
github.com/george-ma/Picasso

- Fully featured image tagging manager made using **Java/JavaFX** for the backend/frontend and **SQLite** to persistantly store tags in a database
- Created a responsive UI, provided the ability to view image and complete history logs, add/remove tag, and search the database using multiple tags

More projects on my Github

EXTRACURRICULARS

Graphic Design Lead, TU20 Executive '17-'18
Silicon Halton | http://techundertwenty.com

- Designed all promotional material in addition to t-shirts for the annual 50+ Student TU20 Cup, coordinating with companies such as Microsoft

EDUCATION

B.S Computer Science, University of Toronto St. George | 2016 - 2020, Junior Year
- cGPA: 3.44
- Activities: Intramural Basketball, CS FLC